

## Optoelectronic Submount Having an On-Edge Optoelectronic Device

### ABSTRACT OF THE DISCLOSURE

[0270] An optoelectronic submount for providing optical connection and electrical connection to a vertically communicating optical device, such as a vertical cavity surface-emitting laser. The submount has a trench for holding the optoelectronic device on-edge, and electrical connection pits adjoining the trench. A metallization layer is disposed in the electrical connection pits. The electrical connection pits are aligned with the trench and optoelectronic device so that compact pads on the optoelectronic device can be soldered to the metallization layer. A groove can be provided in the submount for holding an optical fiber in alignment with an active area of the optoelectronic device.